

J. EPPERSON

ENTERED

RUSH



1600

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/641,931E

DATE: 09/23/2002

TIME: 11:15:30

Input Set : A:\Robic1.app

Output Set: N:\CRF3\09232002\I641931E.raw

3 <110> APPLICANT: Lanctot, et al.  
 5 <120> TITLE OF INVENTION: Nucleic Acid Molecule, Method and Kit for Selecting a  
 6 Nucleic Acid Having A Desired Feature  
 8 <130> FILE REFERENCE: 2003390-0001  
 10 <140> CURRENT APPLICATION NUMBER: 09/641,931E  
 11 <141> CURRENT FILING DATE: 2000-08-18  
 13 <160> NUMBER OF SEQ ID NOS: 45  
 15 <170> SOFTWARE: PatentIn Ver. 2.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 24  
 19 <212> TYPE: DNA  
 20 <213> ORGANISM: Artificial Sequence  
 22 <220> FEATURE:  
 23 <223> OTHER INFORMATION: sequence is completely synthesized  
 25 <400> SEQUENCE: 1  
 26 ggatccaata gaggattctt taac 24  
 29 <210> SEQ ID NO: 2  
 30 <211> LENGTH: 21  
 31 <212> TYPE: DNA  
 32 <213> ORGANISM: Artificial Sequence  
 34 <220> FEATURE:  
 35 <223> OTHER INFORMATION: sequence is completely synthesized  
 37 <400> SEQUENCE: 2  
 38 tcaccactct tctgtccctt c 21  
 41 <210> SEQ ID NO: 3  
 42 <211> LENGTH: 25  
 43 <212> TYPE: DNA  
 44 <213> ORGANISM: Artificial Sequence  
 46 <220> FEATURE:  
 47 <223> OTHER INFORMATION: sequence is completely synthesized  
 49 <400> SEQUENCE: 3  
 50 ggatcctacg aacatgcgac cactg 25  
 53 <210> SEQ ID NO: 4  
 54 <211> LENGTH: 21  
 55 <212> TYPE: DNA  
 56 <213> ORGANISM: Artificial Sequence  
 58 <220> FEATURE:  
 59 <223> OTHER INFORMATION: sequence is completely synthesized  
 61 <400> SEQUENCE: 4  
 62 tcatttcgt gtgctagtca g 21  
 65 <210> SEQ ID NO: 5  
 66 <211> LENGTH: 30  
 67 <212> TYPE: DNA

RAW SEQUENCE LISTING DATE: 09/23/2002  
PATENT APPLICATION: US/09/641,931E TIME: 11:15:30

Input Set : A:\Robic1.app  
Output Set: N:\CRF3\09232002\I641931E.raw

68 <213> ORGANISM: Artificial Sequence  
70 <220> FEATURE:  
71 <223> OTHER INFORMATION: sequence is completely synthesized  
73 <400> SEQUENCE: 5  
74 agcgaattcg tcctgtggac agatcactgc 30  
77 <210> SEQ ID NO: 6  
78 <211> LENGTH: 30  
79 <212> TYPE: DNA  
80 <213> ORGANISM: Artificial Sequence  
82 <220> FEATURE:  
83 <223> OTHER INFORMATION: sequence is completely synthesized  
85 <400> SEQUENCE: 6  
86 gctctcgagg aaggcacagc tgctttccac 30  
89 <210> SEQ ID NO: 7  
90 <211> LENGTH: 30  
91 <212> TYPE: DNA  
92 <213> ORGANISM: Artificial Sequence  
94 <220> FEATURE:  
95 <223> OTHER INFORMATION: sequence is completely synthesized  
97 <400> SEQUENCE: 7  
98 cttctcgagc agtttaaacg tgagcttccc 30  
101 <210> SEQ ID NO: 8  
102 <211> LENGTH: 30  
103 <212> TYPE: DNA  
104 <213> ORGANISM: Artificial Sequence  
106 <220> FEATURE:  
107 <223> OTHER INFORMATION: sequence is completely synthesized  
109 <400> SEQUENCE: 8  
110 acgtctagat catcttcgtg tgcttagtcag 30  
113 <210> SEQ ID NO: 9  
114 <211> LENGTH: 47  
115 <212> TYPE: DNA  
116 <213> ORGANISM: Artificial Sequence  
118 <220> FEATURE:  
119 <223> OTHER INFORMATION: sequence is completely synthesized  
121 <400> SEQUENCE: 9  
122 tcgagcagat ctgcagcacc actggtcacg gcaatgtgtc ggagcgg 47  
125 <210> SEQ ID NO: 10  
126 <211> LENGTH: 43  
127 <212> TYPE: DNA  
128 <213> ORGANISM: Artificial Sequence  
130 <220> FEATURE:  
131 <223> OTHER INFORMATION: sequence is completely synthesized  
133 <400> SEQUENCE: 10  
134 ccgctccgac acattggcgt gaccagtgg gctgcagatc tgc 43  
137 <210> SEQ ID NO: 11  
138 <211> LENGTH: 60  
139 <212> TYPE: DNA  
140 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING DATE: 09/23/2002  
PATENT APPLICATION: US/09/641,931E TIME: 11:15:30

Input Set : A:\Robic1.app  
Output Set: N:\CRF3\09232002\I641931E.raw

142 <220> FEATURE:  
143 <223> OTHER INFORMATION: sequence is completely synthesized  
145 <400> SEQUENCE: 11  
146 gtgtccaagg catcagagg gaaataaagc atctctacgg tggcctaaa tagtcagcat 60  
149 <210> SEQ ID NO: 12  
150 <211> LENGTH: 28  
151 <212> TYPE: DNA  
152 <213> ORGANISM: Artificial Sequence  
154 <220> FEATURE:  
155 <223> OTHER INFORMATION: sequence is completely synthesized  
157 <400> SEQUENCE: 12  
158 ccagagctca tgcggaccac tcttctgt 28  
161 <210> SEQ ID NO: 13  
162 <211> LENGTH: 24  
163 <212> TYPE: DNA  
164 <213> ORGANISM: Artificial Sequence  
166 <220> FEATURE:  
167 <223> OTHER INFORMATION: sequence is completely synthesized  
169 <400> SEQUENCE: 13  
170 tcgcgattta aattaattaa gctt 24  
173 <210> SEQ ID NO: 14  
174 <211> LENGTH: 24  
175 <212> TYPE: DNA  
176 <213> ORGANISM: Artificial Sequence  
178 <220> FEATURE:  
179 <223> OTHER INFORMATION: sequence is completely synthesized  
181 <400> SEQUENCE: 14  
182 aagcttaatt aatttaaattc gctg 24  
185 <210> SEQ ID NO: 15  
186 <211> LENGTH: 18  
187 <212> TYPE: DNA  
188 <213> ORGANISM: Artificial Sequence  
190 <220> FEATURE:  
191 <223> OTHER INFORMATION: sequence is completely synthesized  
193 <400> SEQUENCE: 15  
194 agacgcgtat atctcacc 18  
197 <210> SEQ ID NO: 16  
198 <211> LENGTH: 20  
199 <212> TYPE: DNA  
200 <213> ORGANISM: Artificial Sequence  
202 <220> FEATURE:  
203 <223> OTHER INFORMATION: sequence is completely synthesized  
205 <400> SEQUENCE: 16  
206 gatccgcacc gcaatatggc 20  
209 <210> SEQ ID NO: 17  
210 <211> LENGTH: 25  
211 <212> TYPE: DNA  
212 <213> ORGANISM: Artificial Sequence  
214 <220> FEATURE:

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/641,931E

DATE: 09/23/2002

TIME: 11:15:31

Input Set : A:\Robic1.app

Output Set: N:\CRF3\09232002\I641931E.raw

215 <223> OTHER INFORMATION: sequence is completely synthesized  
217 <400> SEQUENCE: 17  
218 tcttagatg cattatgcac atcag 25  
221 <210> SEQ ID NO: 18  
222 <211> LENGTH: 60  
223 <212> TYPE: DNA  
224 <213> ORGANISM: Artificial Sequence  
226 <220> FEATURE:  
227 <223> OTHER INFORMATION: sequence is completely synthesized  
229 <400> SEQUENCE: 18  
230 tccaaaggcat cagaggggaa ataaaggcatc tctacggtgg tcctaaatag tcagcatagt 60  
233 <210> SEQ ID NO: 19  
234 <211> LENGTH: 60  
235 <212> TYPE: DNA  
236 <213> ORGANISM: Artificial Sequence  
238 <220> FEATURE:  
239 <223> OTHER INFORMATION: sequence is completely synthesized  
241 <400> SEQUENCE: 19  
242 actatgctga ctattnagga ccaccgtaga gatgotttat ttccccctctg atggcttgaa 60  
245 <210> SEQ ID NO: 20  
246 <211> LENGTH: 20  
247 <212> TYPE: DNA  
248 <213> ORGANISM: Artificial Sequence  
250 <220> FEATURE:  
251 <223> OTHER INFORMATION: sequence is completely synthesized  
253 <400> SEQUENCE: 20 20  
254 tagtcagcat agtacatttc  
257 <210> SEQ ID NO: 21  
258 <211> LENGTH: 51  
259 <212> TYPE: DNA  
260 <213> ORGANISM: Artificial Sequence  
262 <220> FEATURE:  
263 <223> OTHER INFORMATION: sequence is completely synthesized  
265 <400> SEQUENCE: 21  
266 tcgatccgaa ttgcggccg ctctattgga tcctcgagca gatctgcagc a 51  
269 <210> SEQ ID NO: 22  
270 <211> LENGTH: 148  
271 <212> TYPE: DNA  
272 <213> ORGANISM: Artificial Sequence  
274 <220> FEATURE:  
275 <223> OTHER INFORMATION: sequence is completely synthesized  
277 <400> SEQUENCE: 22  
278 agatgaatca agcttatcga taccgtcgag catgcata ggtgtccaag ccatcagagg 60  
279 ggaaataaag catctctacg gtggcctaa atagtcagca tagtacattt catctgacta 120  
280 atactacaac accaccacca tgaataga 148  
283 <210> SEQ ID NO: 23  
284 <211> LENGTH: 18  
285 <212> TYPE: DNA  
286 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/641,931E

DATE: 09/23/2002  
TIME: 11:15:31

Input Set : A:\Robic1.app  
Output Set: N:\CRF3\09232002\I641931E.raw

288 <220> FEATURE:  
289 <223> OTHER INFORMATION: sequence is completely synthesized  
291 <400> SEQUENCE: 23  
292 gagttgtccg catggta 18  
295 <210> SEQ ID NO: 24  
296 <211> LENGTH: 54  
297 <212> TYPE: DNA  
298 <213> ORGANISM: Artificial Sequence  
300 <220> FEATURE:  
301 <223> OTHER INFORMATION: sequence is completely synthesized  
303 <400> SEQUENCE: 24  
304 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggggatt tcgcgattta aatt 54  
307 <210> SEQ ID NO: 25  
308 <211> LENGTH: 48  
309 <212> TYPE: DNA  
310 <213> ORGANISM: Sindbis virus  
312 <220> FEATURE:  
313 <223> OTHER INFORMATION: sequence is completely synthesized  
315 <400> SEQUENCE: 25  
316 tctgcagcac cactggtcac ggcaatgtgt ttgctcgaa atgtgagc 48  
319 <210> SEQ ID NO: 26  
320 <211> LENGTH: 16  
321 <212> TYPE: PRT  
322 <213> ORGANISM: Sindbis virus  
324 <220> FEATURE:  
325 <223> OTHER INFORMATION: sequence is completely synthesized  
327 <400> SEQUENCE: 26  
328 Ser Ala Ala Pro Leu Val Thr Ala Met Cys Leu Leu Gly Asn Val Ser  
329 1 5 10 15  
332 <210> SEQ ID NO: 27  
333 <211> LENGTH: 48  
334 <212> TYPE: DNA  
335 <213> ORGANISM: Artificial Sequence  
337 <220> FEATURE:  
338 <223> OTHER INFORMATION: sequence is completely synthesized  
340 <400> SEQUENCE: 27  
341 tctgcagcac cactggtcac ggcaatgtgt cggagcggaa atgtgagc 48  
344 <210> SEQ ID NO: 28  
345 <211> LENGTH: 16  
346 <212> TYPE: PRT  
347 <213> ORGANISM: Artificial Sequence  
349 <220> FEATURE:  
350 <223> OTHER INFORMATION: sequence is completely synthesized  
352 <400> SEQUENCE: 28  
353 Ser Ala Ala Pro Leu Val Thr Ala Met Cys Arg Ser Gly Asn Val Ser  
354 1 5 10 15  
357 <210> SEQ ID NO: 29  
358 <211> LENGTH: 44  
359 <212> TYPE: DNA

**VERIFICATION SUMMARY** DATE: 09/23/2002  
**PATENT APPLICATION:** US/09/641,931E TIME: 11:15:32

Input Set : A:\Robic1.app  
Output Set: N:\CRF3\09232002\I641931E.raw

L: 409 M: 220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#: 33